

NASA Facts

National Aeronautics and
Space Administration

Marshall Space Flight Center
Huntsville, Alabama 35812

FS-2002-10-161-MSFC

Sept. 26, 2002

International Space Station: Expedition Six Experiments

Experiment	Mission Information	Duration	Location on ISS	Research Area
Microgravity Science Glovebox-Coarsening in Solid Liquid Mixture (CSLM)	Up on 11A Down on ULF1	4 months	Glovebox	Microgravity materials
Microgravity Science Glovebox-InSPACE	Up on 11A Samples down on ULF1	4 months	Glovebox	Microgravity materials
Protein Crystal Growth Single-locker Thermal Enclosure System (PCG-STES) housing the Diffusion-controlled Crystallization Apparatus for Microgravity (DCAM)	Up on 11A Down on ULF1	4 months	EXPRESS Rack 4	Biotechnology
Zeolite Crystal Growth Furnace (ZCG)	Furnace unit up on UF1; samples up and down on most Shuttle flights	Expeditions Four through Eight	EXPRESS Rack 2	Space product development
Effect of Prolonged Spaceflight on Human Skeletal Muscle (Biopsy)	Expeditions 5-8	N/A	Pre- and post-flight	Human life sciences
Pore Formation and Mobility Investigation (PFMI)	Up on UF2 Down ULF1	9 months	Glovebox	Microgravity sciences
Crew Earth Observations (CEO)	Expeditions 1-7	34 months	Destiny lab window or other ISS windows	Earth observations

Experiment	Mission Information	Duration	Location on ISS	Research Area
Earth Knowledge Acquired by Middle School Students (EarthKAM)	Up on 5A	Ongoing	ISS window	Education
Subregional Assessment of Bone Loss in the Axial Skeleton in Long-term Spaceflight (Subregional Bone)	Expeditions 2-9	39 months	Pre- and post-flight	Human life sciences
EVA Radiation Monitoring (EVARM)	Expeditions 4-6	15 months	Human Research Facility	Human life sciences
Promoting Sensorimotor Response Generalizability (Mobility)	Expeditions 5-10	N/A	Pre- and post-flight	Human life sciences
Space Flight Induced Reactivation of Epstein-Barr Virus (Epstein-Barr)	Expeditions 5-7, 8, 10	N/A	Pre- and post-flight	Human life sciences
Pulmonary Function in Flight (PuFF)	Expeditions 3-6	19 months	Human Research Facility	Human life sciences
Foot/Ground Reaction Forces During Space Flight	Up on 11A Down on ULF1	4 months	Human Research Facility	Human life sciences
Renal Stone Risk During Spaceflight (Renal Stone)	Expeditions 3-12	49 months	Human Research Facility	Human life sciences
Materials International Space Station Experiment (MISSE)	Up on 7A.1 Down on ULF1	19 months	External attachment on Quest airlock	Materials exposure
Microgravity Acceleration Measurement System (MAMS)	Up on 6A	Permanent	EXPRESS Rack 1	Microgravity
Space Acceleration Measurement System (SAMS)	Up on 6A	Permanent	EXPRESS Racks 1 and 4	Microgravity